Philips
widescreen flat TV with
Pixel Plus

37"
LCD HD Ready

37PFL7312

AUTO PICTURE

Widescreen flat TV with Pixel Plus
37" LCD HD Ready

37PFL7312/78

Specifications

Picture/Display
- Aspect ratio: 16:9, Widescreen
- Brightness: 500 cd/m²
- Dynamic screen contrast: 4000:1
- Response time (typical): 8 ms
- Viewing angle (H / V): 176 / 176 degree
- Diagonal screen size: 37 inch / 94 cm
- Display screen type: LCD WXGA Active Matrix TFT
- Panel resolution: 1366 x 768p
- Picture enhancement: Pixel Plus, Luminance Transient Improver, Contrast Plus, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Color Temperature Adjustment, Digital Noise Reduction, Jagged Line Suppression, Progressive Scan, Sharpness Adjustment
- Screen enhancement: Anti-Reflection coated screen

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 67, 72, 75Hz
800 x 600	56, 60, 72, 75Hz
1024 x 768	60, 70, 75Hz
1280 x 768	60Hz

- Video Formats

Resolution	Refresh rate
640 x 480i	1Fh
640 x 480p	2Fh
720 x 576i	1Fh
720 x 576p	2Fh
1280 x 720p	3Fh
1920 x 1080i	2Fh

Sound
- Equalizer: 5-bands
- Output power (RMS): 2 x 15W RMS
- Sound Enhancement: Dynamic Bass Enhancement
- Sound System: Stereo, Virtual Dolby Surround, SAP

Loudspeakers
- Built-in speakers: 2

Convenience
- Child Protection: Child Lock+Parental Control
- Clock: Sleep Timer, Wake up Clock
- Ease of Installation: Autostore, Fine Tuning
- Ease of Use: 8 channel smart surf list, AutoPicture, AutoSound, Graphical User Interface, Program List, Side Control
- On-Screen Display languages: English, French, Portuguese, Spanish
- Remote Control: TV, Amp, DVD, Multi-functional
- Remote control type: RCFN05SPS00
- Screen Format Adjustments: 4:3, Movie expand 14:9, Movie expand 16:9, Subtitle Zoom, Super Zoom, Widescreen
- Picture in Picture: Picture in graphics

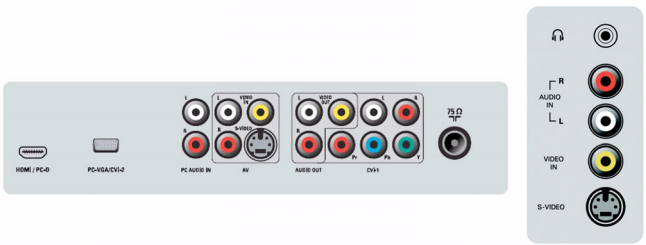
Tuner/Reception/Transmission
- Aerial Input: 75 ohm F-type
- TV system: NTSC, PAL N, PAL M
- Video Playback: NTSC, PAL (all versions)
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- Number of Preset Channels: 125
- Tuner Display: PLL

Connectivity
- AV 1: Audio L/R in, CVI, YPbPr (2fh)
- AV 2: Audio L/R in, CVBS, S-Video
- Number of AV connections: 5
- Front / Side connections: Audio L/R in, CVBS in, Headphone out, S-video in
- Other connections: HDMI, Monitor out L/R (Cinch), PC-in VGA + Audio L/R in, HD input via VGA

Power
- Ambient temperature: 5 °C to 40 °C
- Mains power: 100-240V, 50-60Hz
- Power consumption: 180 W
- Standby power consumption: < 1W

Accessories
- Included Accessories: Table top stand, VGA to YPbPr-Cinch cable, Power cord, Quick start guide, User Manual, Remote Control, Batteries for remote control

Dimensions
- Set dimensions (W x H x D): 1114 x 618 x 103 mm
- Set dimensions with stand (W x H x D): 1114 x 673 x 257 mm
- Product weight: 25.9 (with stand), 24 (without stand) kg
- Box dimensions (W x H x D): 1191 x 830 x 330 mm
- Weight incl. Packaging: 33 kg
- VESA wall mount compatible: 800 x 400 mm



Product highlights

HD Ready
Enjoy the exceptional picture quality of High Definition pictures and be fully prepared for HD sources like HDTV settop box or Blu-ray disc. HD Ready is a protected label that offers picture quality beyond that of progressive scan. It conforms to strict standards laid out by EICTA to offer a HD screen that displays the benefits of resolution and picture quality of a High Definition signal. It has a universal connection for both analog YPbPr and uncompressed Digital connection of DVI or HDMI, supporting HDCP. It can display 720p, and 1080i signals at 50 and 60Hz.

Pixel Plus
Pixel Plus is a digital picture processing technology that increases the number of lines and the number of pixels. The result is razor sharp pictures with incredible detail and depth, every time from any source.

3D Combfilter
The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

Virtual Dolby Surround
Virtual Dolby Surround is a processing technology for enhancing surround sound effects. It will create the sensation of Dolby Pro Logic without the necessity of additional rear speakers. You become totally immersed in your television experience.

PC input
With PC input you can connect your TV to a computer and use the TV as a PC monitor.

Auto Picture
Auto Picture button on the remote control enables one-touch selection of various preset optimized image settings to suit different TV program.

HDMI input
HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.

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* For a maximum picture quality without distortion it is necessary a high quality digital signal in widescreen format or to use a signal conversor/decoder.
* Avoid extensive use of the set in a volume higher than 85 decibel because this may damage your hearing.